**Info about Unlock code**

* Byron:

For reference, the Mobilab uses an 8-bit mask, with each bit corresponding to whether each channel is on (1) of off (0). Specifically, a particular channel configuration mask can be described as sum(2^(channel-1)) for each channel in the set of selected channels.

For example, if you just wanted channels 5, 6, and 7, it would be 2^4 + 2^5 + 2^6 = 112 (0x70). If you want all channels active, you would use 255 (0xFF).

* Mobilab info from “gMOBIlabInstructionsForUse” in xCarbon E:\g.MOBIlab\Documentation

**8 channel monopolar EEG version:**

|  |  |
| --- | --- |
| Amplifier settings EEG channels 1 to 8 | Sensitivity: ±500 μV  Highpass: 0.5 Hz  Lowpass: 100 Hz |

* Mobilab info from “gMOBIlabplusDataFormat” in xCarbon E:\g.MOBIlab\Documentation

data = (int16 value)\*(2\*5/(2^16\*4))\*(Channel Sensitivity in μV) [μV]